

Fig. 1

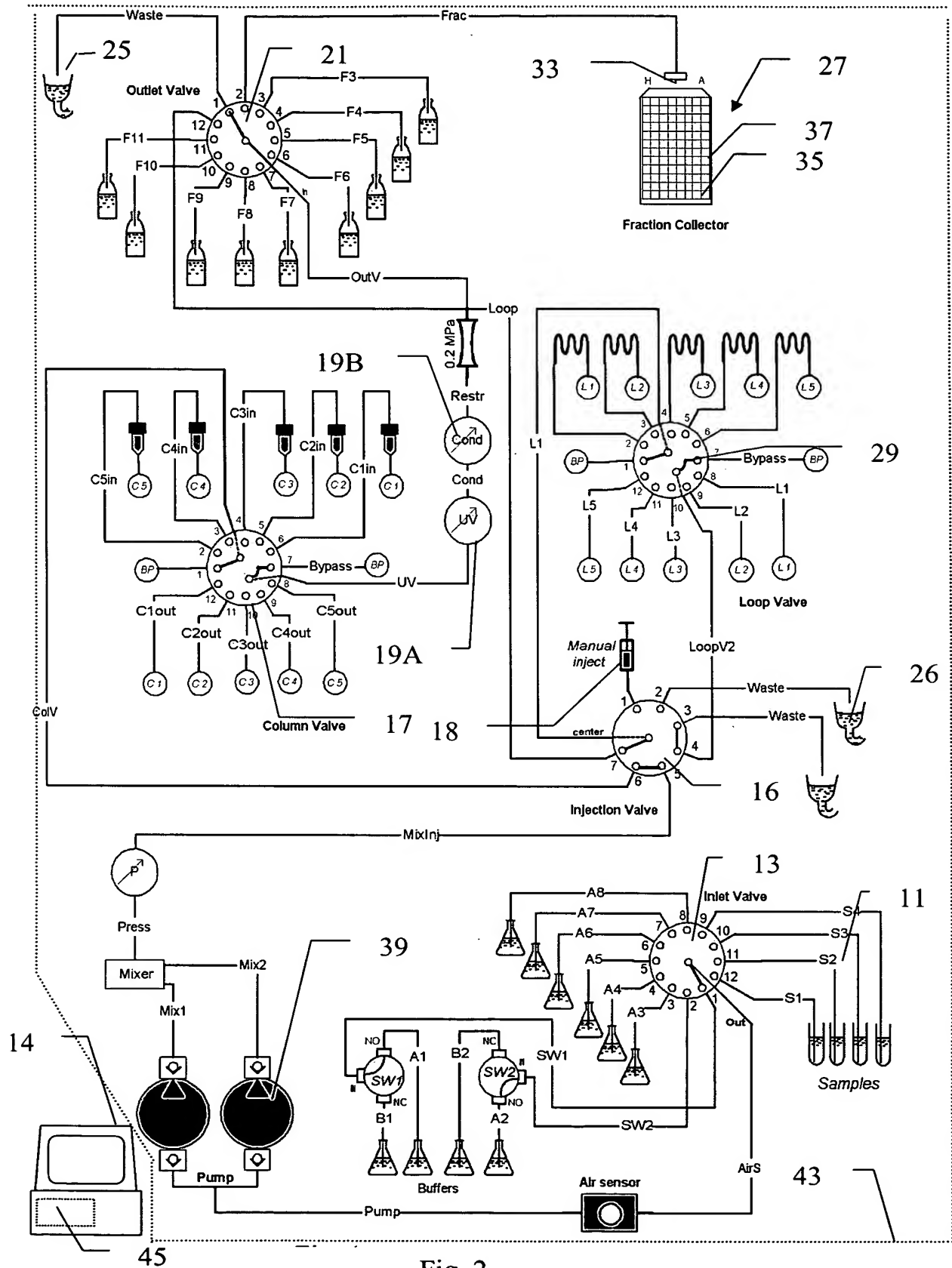
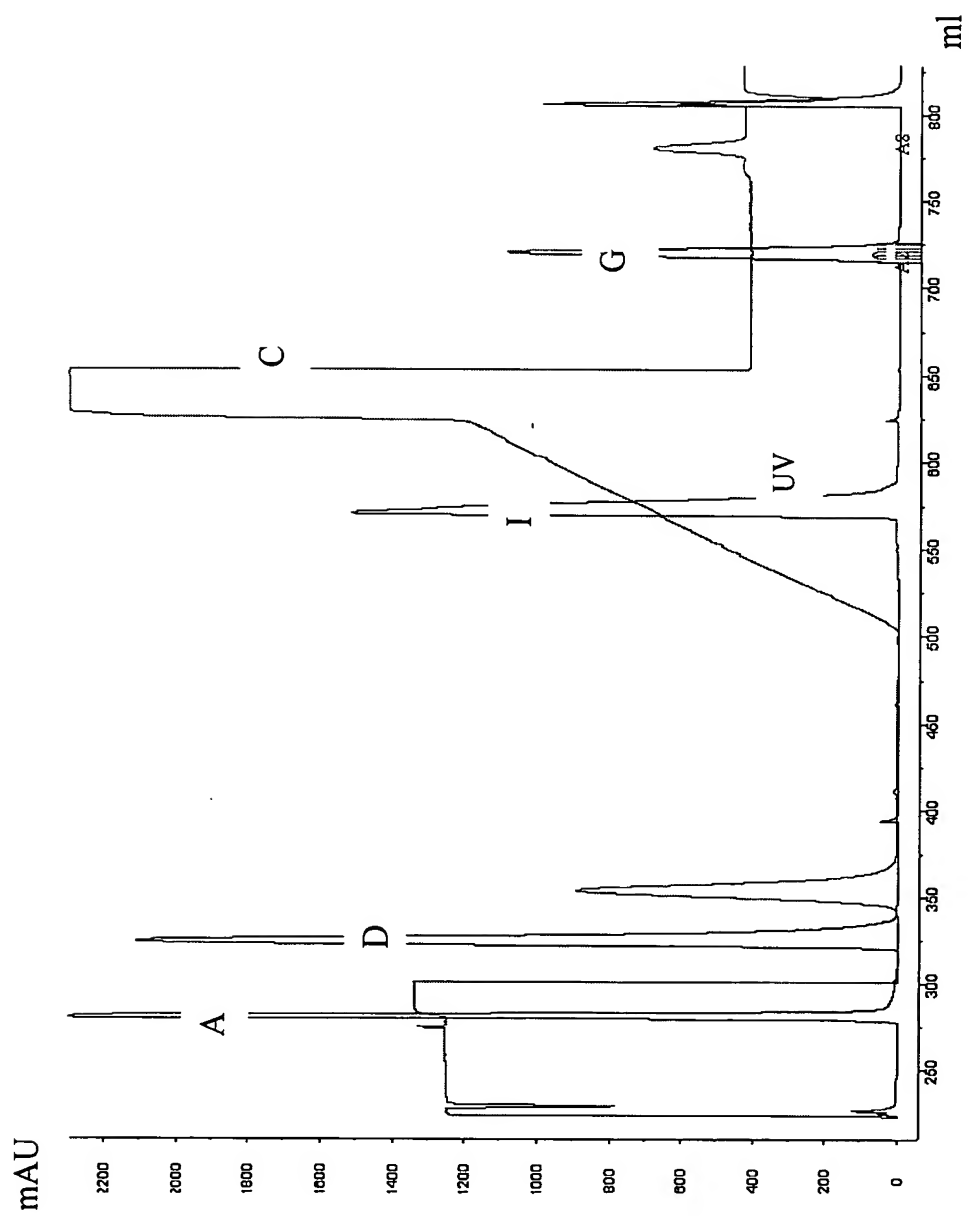


Fig. 2

Fig. 3a



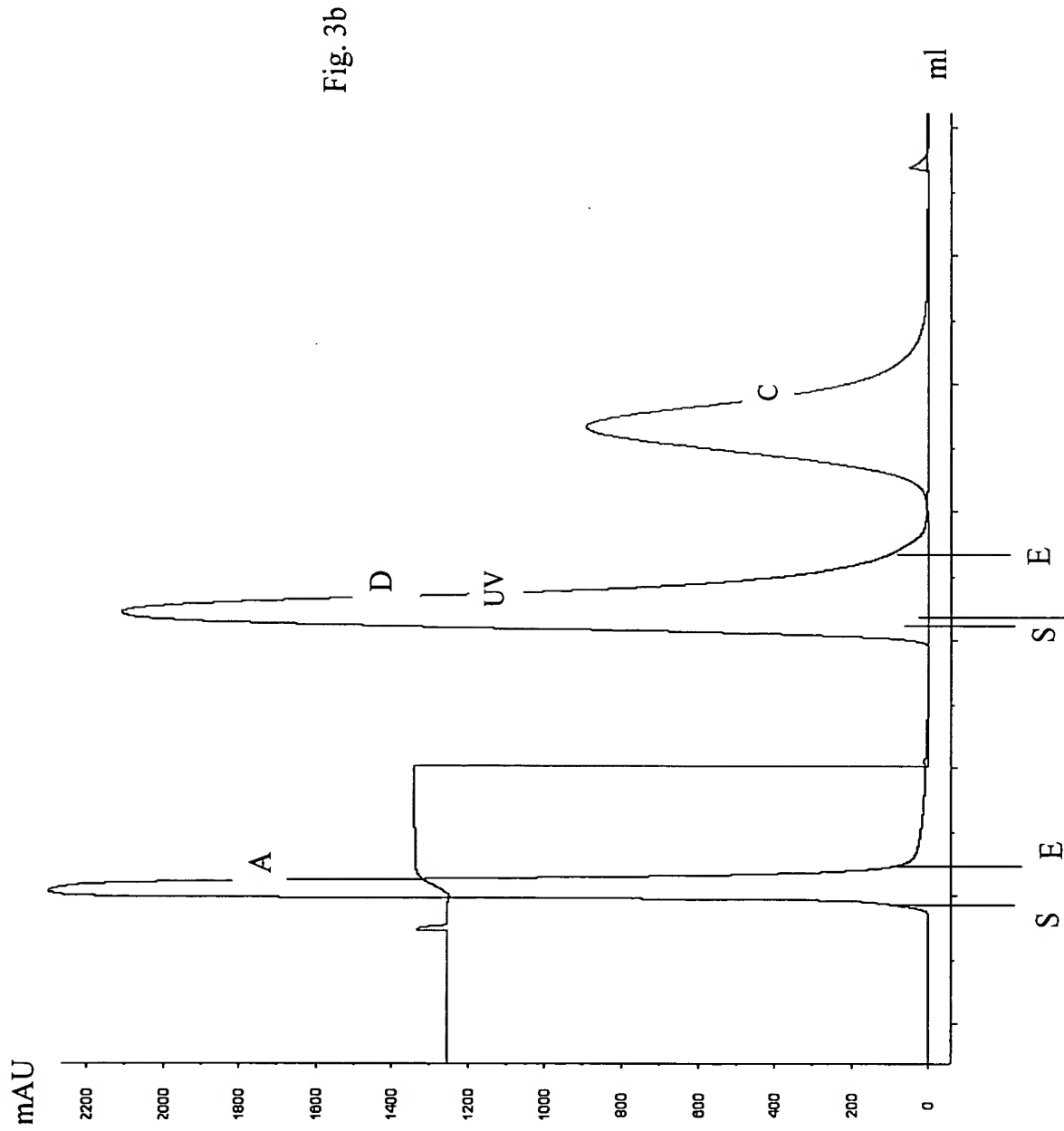
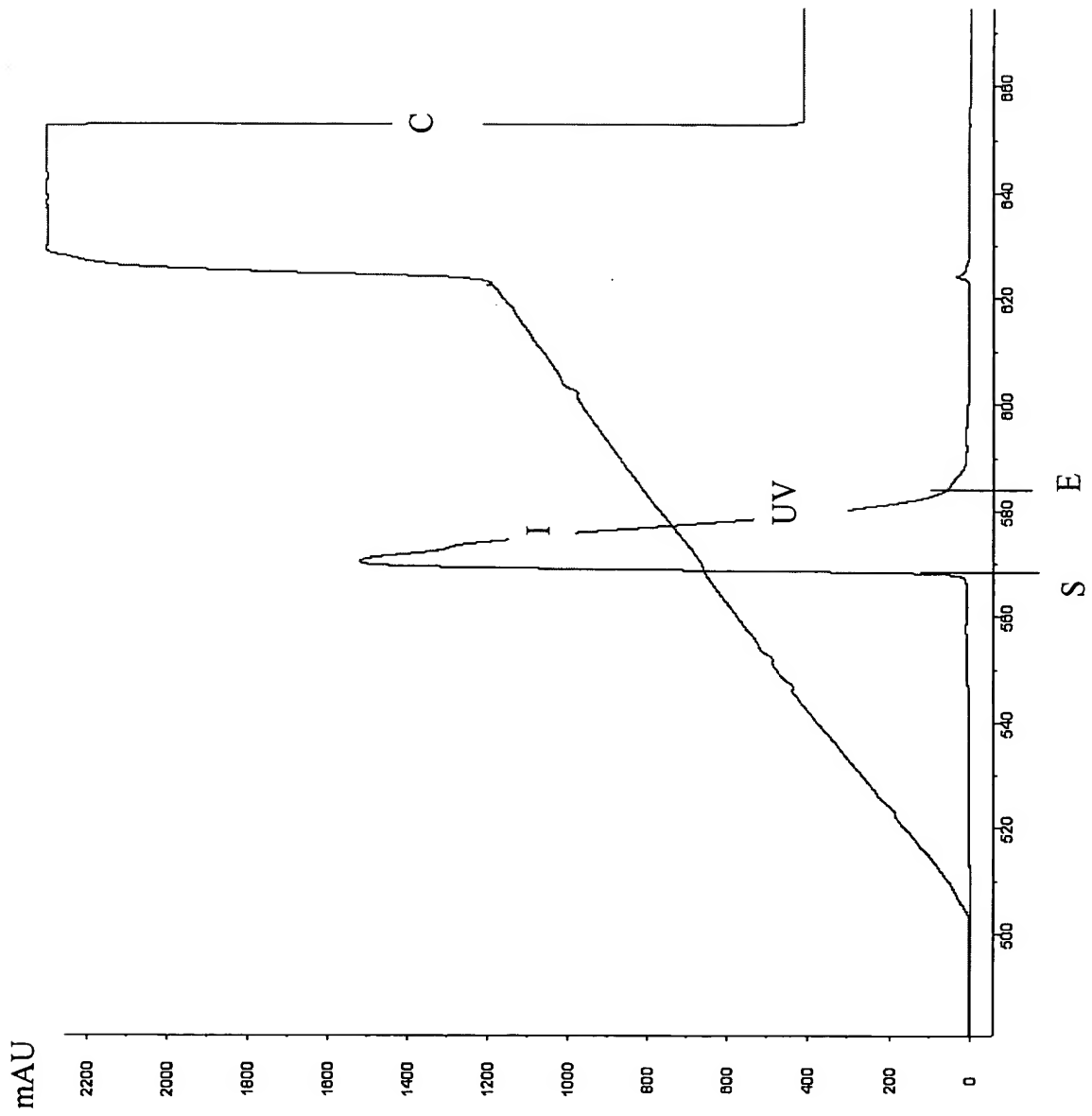


Fig. 3c



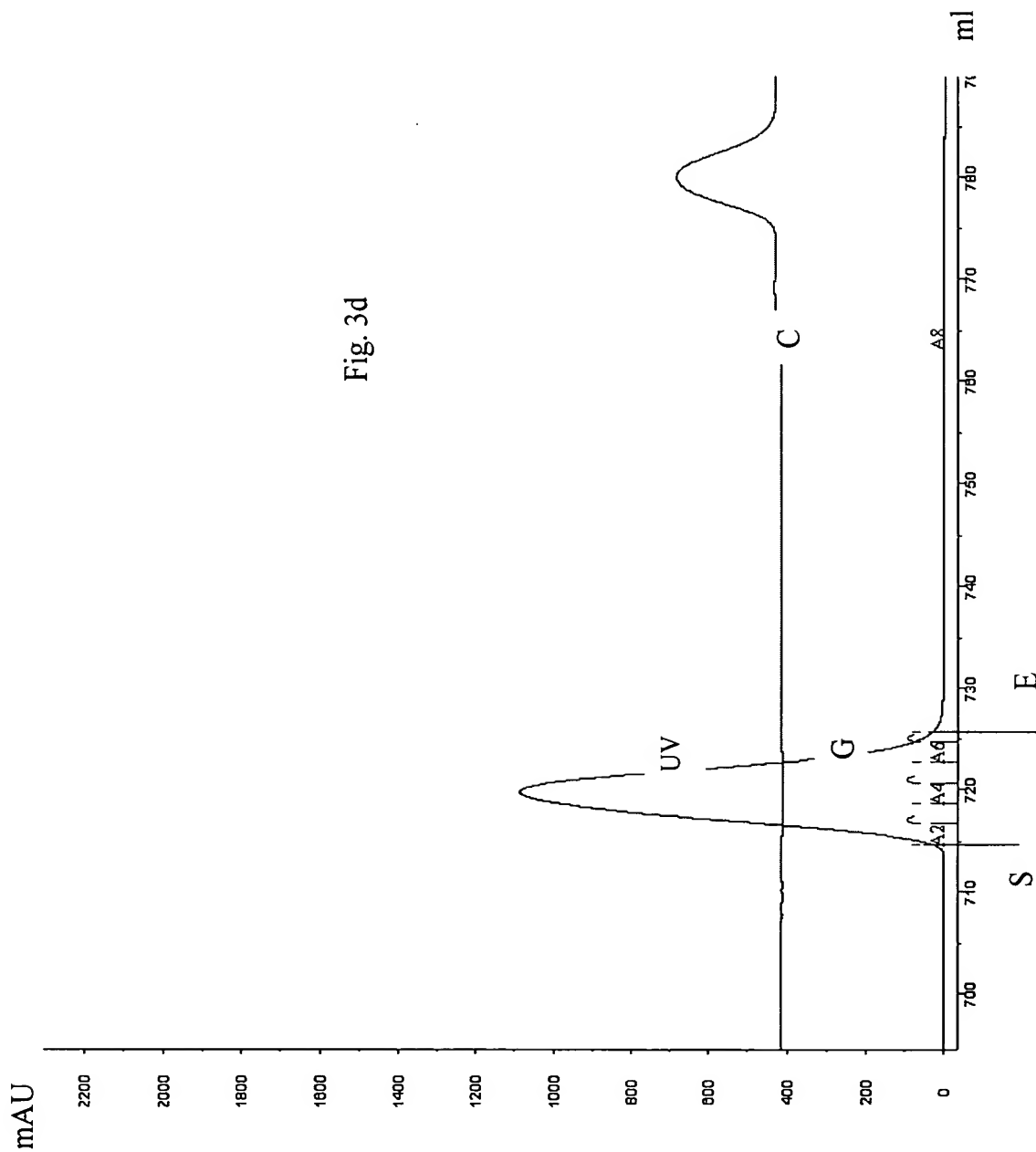


Table 1

| | Normal loading | | | | Overloading | | | |
|-----|----------------------|--------------------|--------------------------|------------------------|----------------------------|--------------------|--------------------------|------------------------|
| | Start level (mAU) | end level (mAU) | start slope (mAU/min) | end slope (mAU/min) | Start level (mAU) | end level (mAU) | start slope (mAU/min) | end slope (mAU/min) |
| GF | 30 | 30 | 30 | -30 | | | | |
| | 30 | 30 | 30 | -30 | | | | |
| | | | | | | | | |
| DS | 50 | 50 | 100 | -500 | | | | |
| | 50 | 50 | 100 | -500 | | | | |
| | | | | | | | | |
| IEX | | | | | Only for 4-step protocols! | | | |
| | 30 | 30 | 20 | -50 | 100 | 100 | 100 | -100 |
| | 60 | 60 | 50 | -100 | 200 | 200 | 100 | -100 |
| | 30 | 30 | 20 | -50 | 100 | 100 | 100 | -100 |
| | 60 | 60 | 50 | -100 | 200 | 200 | 100 | -100 |
| | 30 | 30 | 20 | -50 | 100 | 100 | 100 | -100 |
| | 30 | 30 | 20 | -50 | 100 | 100 | 100 | -100 |
| | 30 | 30 | 20 | -50 | 100 | 100 | 100 | -100 |
| | 30 | 30 | 20 | -50 | 100 | 100 | 100 | -100 |
| | 30 | 30 | 20 | -50 | 100 | 100 | 100 | -100 |
| | 30 | 30 | 20 | -50 | 100 | 100 | 100 | -100 |
| | 30 | 30 | 20 | -50 | 100 | 100 | 100 | -100 |
| AC | | | | | | | | |
| | 50 | 50 | 200 | - | 200 | 200 | 200 | - |
| | 100 | 100 | 300 | - | 500 | 500 | 500 | - |
| | 50 | 50 | 200 | - | 200 | 200 | 200 | - |
| | 100 | 100 | 300 | - | 500 | 500 | 500 | - |
| | 50 | 100 | 100 | - | - | - | - | - |
| | 50 | 200 | 100 | - | 200 | 300 | 100 | - |
| | 50 | 50 | 200 | - | 200 | 200 | 200 | - |
| | 100 | 100 | 300 | - | 500 | 500 | 500 | - |

HiLoad,
Sephadex,
HiPrep,
HiTrap,
RESOURCE,
Mono Q,
Mono S,
HisTrap and
GSTrap are
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